

ARINC Project Initiation/Modification (APIM)

- 1.0 Name of Proposed Project** **APIM 18-007**
Supplement 3 to ARINC Specification 818: Avionics Digital Video Bus (ADVB)
- 1.1 Name of Originator and/or Organization**
ARINC Industry Activities staff
- 2.0 Subcommittee Assignment and Project Support**
- 2.1 Suggested AEEC Group and Chairman**
Group: Digital Video Working Group of SAI Subcommittee
Staff activity using web conference and email coordination
- 2.2 Support for the activity**
Airlines: FedEx
Airframe Manufacturers: Boeing
Suppliers: Great River Technology, Inc., Cotsworks LLC, Elbit Systems, Aviage Systems, others TBD
- 2.3 Commitment for Drafting and Meeting Participation**
Airlines: FedEx
Airframe Manufacturers: Boeing
Suppliers: Great River Technology, Inc., Cotsworks LLC, Elbit Systems, Aviage Systems, others TBD
- 2.4 Recommended Coordination with other groups**
SAI
- 3.0 Project Scope**
- 3.1 Description**
ARINC Specification 818: Avionics Digital Video Bus (ADVB) defines a ruggedized version of ANSI Fiber Channel Audio Visual (FCAV). The first version of ARINC 818 was released in 2006. ARINC 818 goes beyond the ANSI standard version of FCAV to define aviation profile capable of meeting environmental and regulatory requirements.
ARINC 818 is widely used on Airbus and Boeing programs starting with the B787 and many programs since that time.
- 3.2 Planned usage of the envisioned specification**
New aircraft developments planned to use this specification yes no

4.0 Benefits

4.1 Basic benefits

Operational enhancements? yes no

For equipment standards:

a. Is this a hardware characteristic? yes no

b. Is this a software characteristic? yes no

c. Interchangeable interface definition? yes no

d. Interchangeable function definition? yes no

If not fully interchangeable, please explain: Not applicable

Is this a software interface and protocol standard? yes no

Specify: ARINC 818

Product offered by more than one supplier yes no

Identify: TBD

4.2 Specific project benefits (Describe overall project benefits.)

4.2.1 Benefits for Airlines

The benefits to airlines are visible in the form of a standardized digital video bus interface. This benefit is evident in new aircraft development and in retrofit.

4.2.2 Benefits for Airframe Manufacturers

Airframe manufacturers' benefit from standardized interwiring in the production of aircraft.

4.2.3 Benefits for Avionics Equipment Suppliers

The benefit to avionics equipment suppliers is to re-use a standardized bus interface on a multitude of avionics products and systems.

5.0 Documents to be Produced and Date of Expected Result

Supplement 3 to ARINC Specification 818: *Avionics Digital Video Bus (ADVB)*

5.1 Meetings and Expected Document Completion

The following table identifies the number of meetings and proposed meeting days needed to produce the documents described above.

Activity	Mtgs	Mtg-Days (Total)	Expected Start Date	Expected Completion Date
Supp 3 to ARINC 818	0	0	Oct 2018	April 2019

6.0 Comments

None

6.1

Expiration Date for the APIM

October 2019

Completed forms should be submitted to the AEEC Executive Secretary and Program Director, Paul J. Prisaznuk (pjp@sae-itc.org)